5/119/61/000/007/001/008 D247/D306 Measurement of liquid flow ... For sufficiently low values of Z the amplitude is independent of T<sub>1</sub>. Sensitivity of the flowmeter can be increased at the expense of range of measurement. In addition, a correction for temperature effects is necessary. The simplest method of measurement of velocity of flow in a pipe consists of the measurement of time required for the molecules of liquid to traverse a known length of pipe. The use of this method excludes the need for calibration and permits the measurement of velocity of flow of one of the phases in a polyphase liquid. This method can be applied to the measurements of velocity of gaseous-liquid mixtures. The liquid flow measurement can be based on so-called "apparatus ef-50 fect" which takes place if a flow transmitter has a form of a The nuclear resonance occurs at a frequency, of circular path. oscillating field differing from the frequency of nuclear precession by E, Card 4/5

24759
Measurement of liquid flow... S/119/61/000/007/001/008
D247/D306

where  $S_{max}$  and  $S_{min}$  - maximum and minimum radii of nuclear path in the transmitter; d - pipe diameter; w - velocity of liquid flow, assumed uniform throughout the cross section. In this way, nuclear resonance is observed on a rectilinear section of pipe  $(S = \infty)$  and on a rounded section, both placed in the same magnetic field, the velocity of flow becomes F.  $2\pi\Delta\omega d$ 

 $= \frac{2\pi\Delta\omega d}{\ln \frac{S_{\text{max}}}{S_{\text{min}}}}$ 

Transmitters having yet different shape and construction can be used with success. The method is covered by the author's cerSoviet-bloc references.

Soviet-bloc references.

Card 5/5

8/170/61/004/005/009/015 B111/B214

AUTHOR:

Zhernovoy, A. I.

TITLE:

A new method for the investigation of the longitudinal turbulent

diffusion in a pipe line

PERIODICAL:

Inzhenerno-fizicheskiy zhurnal, v. 4, no. 5, 1961; 91-93

The direct method for the investigation of molecular diffusion through a cross section consists in labelling the molecule on one side of the cross section and following its appearance on the other side in a certain time. This can be done by the use of tracer atoms. The difficulty consists in having a sharp boundary between the labelled and the unlabelled liquid. An investigation of the nutation effect showed that with its help a sharp boundary could be obtained separating the polarized and the unpolarized liquid. For this purpose, use is made of an arrangement shown in Fig. 1. If no resonance with the oscillating field appears in the coil 2, the nuclear resonance signal can be determined at the detector. If, however, a resonance appears in it the magnetization vector goes steeply to zero. The time elaps-

Card 1/3

A new method

8/170/61/004/005/009/015 B111/B214

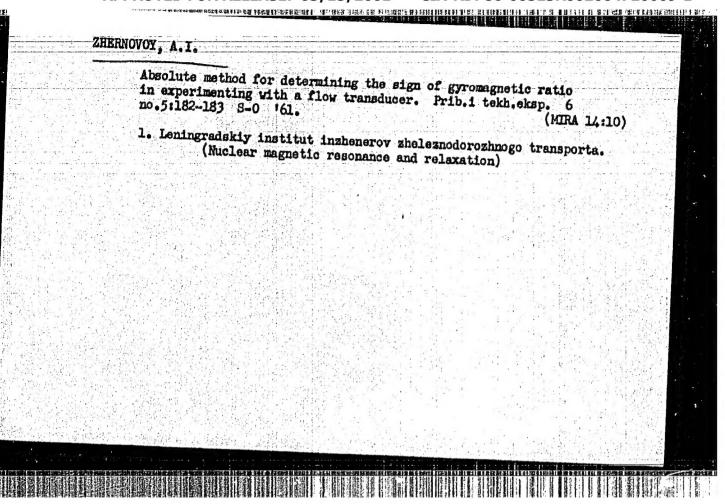
where  $\Delta H_{L}$  is the inhomogeneity of the external magnetic field perpendicular to the liquid current, and  $\gamma$  is a constant. By means of the nuclear rescnance method, one part of the liquid can be polarized while the other cannot be polarized. The length of the unpolarized liquid in the first moment is equal to W mean " T (W mean wean velocity of the molecule). At the instant at which the first layer of separation enters the coil 4 the nuclear resonance signal decreases; at the instant at which the second layer leaves coil 2 the decrease of the signal amplitude ceases. It is thus possible to record the layer of separation accurately. If the time interval At in which the amplitude of the signal completely vanishes is known, the length of the diffusion boundary can be determined. In this case, the diffusion coefficient is given by the formula:

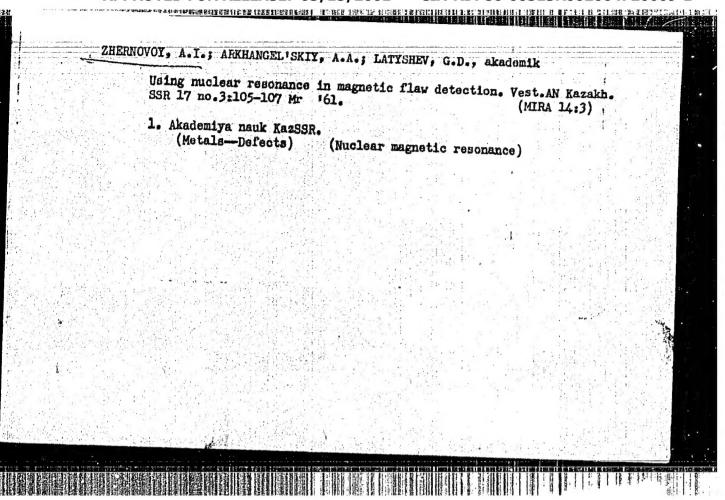
 $D_{t} = \frac{1_{d}^{2} \text{ W}_{mean}}{1_{d} \text{ VAH}_{L}}, \text{ where } 1_{o} \text{ is the length of the pipe}$   $81_{o} \ln \frac{1_{d} \text{ VAH}_{L}}{6 \text{ W}_{mean}}$ 

Three experiments were performed: 1) Wmean - 427 cm/sec, 1 - 12 cm,

Card 2/3

A new method  B/170/61/004/005/009/015  H = 0.1 A ce/chm, D <sub>t</sub> = 21 cm <sup>2</sup> /sec; 2) At = 0.12 sec, 1 <sub>o</sub> = 114.5 cm,  l <sub>d</sub> = 11.4 cm, l <sub>a</sub> = 15 cm (l <sub>a</sub> - length of the absorption coil);  whean = 219 cm/sec, D <sub>t</sub> = 6 cm <sup>2</sup> /sec; 3) At = 0.08 sec, l <sub>o</sub> = 10 cm,  l <sub>d</sub> = 2.5 cm, l <sub>a</sub> = 15 cm, Whean = 219 cm/sec, D <sub>t</sub> = 4.7 cm <sup>2</sup> /sec. There are  ASSOCIATION: Institut inzhenerov sheleznodorozhnogo transporta im. akad.  Engineering imeni Academician V. N. Obraztsov, Leningrad  SUBMITTED: October 21, 1960.  Legend to Fig. 1: Block scheme:  1) Strong magnet for polarization, 2) coil for the production of nutation, homogeneous magnets field, 4) coil for the pick-up of the nuclear resonance detector, 6) r-f  Card 3/3.	-4		ESSENTED DASMATHMENT
2006년 1일: 1200년 1200년 12일: 12일: 12일: 12일: 12일: 12일: 12일: 12일:	H = 0.1 A or  ld = 11.4 cm  Wme'an = 219  ld = 2.5 cm,  1 figure and  ASSOCIATION:  SUBMITTED:  Legend to Fig  1) Strong magn 2) coil for th  3) magnet for homogeneous me	/ohm, D <sub>t</sub> = 21 cm <sup>2</sup> /sec; 2) $\Delta t = 0.12$ sec, 1 = 114.5 cm,  l <sub>a</sub> = 15 cm (l <sub>a</sub> - length of the absorption coil);  cm/sec, D <sub>t</sub> = 6 cm <sup>2</sup> /sec; 3) $\Delta t = 0.08$ sec, 1 = 10 cm,  l <sub>a</sub> = 15 cm, W mean; = 219 cm/sec, D <sub>t</sub> = 4.7 cm <sup>2</sup> /sec. There ar  2 Soviet-bloc references.  Institut inzhenerov zheleznodorozhnogo transporta im. skad.  Engineering imeni Academician V. N. Obraztsov, Leningrad)  October 21, 1960:  1: Block scheme:  net for polarization,  ne production of nutation,  the production of s	





"APPROVED FOR RELEASE: 03/15/2001 看她是解释的脸色的对抗研究科技会的变化数据,但我们就可能好够可能给并都随着解释的理解的理解,但我们是不是一个一个一个一个一个一个一个一个一个一个一个一个一个一个 39308 S/707/62/005/000/009/014 D290/D308 Zhernovoy, A.I. and Latyshev, G.D. The relation between the frequency of a nuclear resonance maser and the parameters of the apparatus Akademiya nauk Kazakhskoy SSR. Institut yadernoy
Akademiya nauk Kazakhskoy SSR. Institut yadernoy
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Fiziki. Trudy, V. 5. Alma-Ata, 1962. Fizika chastits
Fiziki. Trudy, V. 5. Struktura yadra, 112-116
Vysokikh energiy. Struktura yadra, 112-116 AUTHORS: TITLE: The authors studied a system consisting of a tuned a specimen that is in a magnetic field of H oersted; they found a relation between  $\omega$  of the nuclei in the specimen in a magnetic field of H oersted, and that the frequency of the signal induced in the authors assumed that the frequency of the signal induced in The authors assumed that to a nuclei of the nuclei of the specimen. The authors assumed that to a frequency of the nuclei on the circuit was equivalent to a frequency of the polarized nuclei on the related this susceptibility effect of the polarized nuclei and the impedance of the circuit complex magnetic susceptibility; they related this susceptible to the properties of the nuclei and the impedance of the circuit to the properties of the nuclei and the impedance of the circuit to the properties of the nuclei and the impedance of the circuit to the properties of the nuclei and the impedance of the circuit to the properties of the nuclei and the impedance of the circuit to the properties of the nuclei and the impedance of the circuit to the properties of the nuclei and the impedance of the circuit to the properties of the nuclei and the impedance of the circuit to the properties of the nuclei and the impedance of the circuit to the properties of the nuclei and the impedance of the circuit to the properties of the nuclei and the impedance of the circuit to the properties of the nuclei and the impedance of the circuit to the properties of the nuclei and the impedance of the circuit to the circuit to the properties of the nuclei and the impedance of the circuit to t The authors studied a system consisting of a tuned SOURCE:

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33473 8/170/62/005/002/005/009 B104/B138

AUTHOR:

Zhernovoy, A. I.

TITLE:

Measurement of large relaxation times in a continuous stream

of liquid

PERIODICAL:

Inzhenerno-fizicheskiy zhurnal, v. 5, no. 2, 1962, 64 - 71

TEXT: A stream of liquid flows through a pipe, first through a powerful polarizing field and then through a section with a pickup at its end. The liquid is polarized with a shielded magnet having a volume of 400 cm<sup>5</sup> between the pole pieces. The field strength is 10,000 oe. Relaxation between the pole pieces. The field strength is 10,000 oe. Relaxation times ranging from 0.5 to 6 sec were measured by two methods. In the first, the length of the pipe was continuously varied between the polarizing field and the pickup. In the second, calibrated pieces were inserted between the polarizing field and the pickup. The optimum volume of polarized liquid, the ranges of measurement, and the least error were determined. This arrangement was used to test the corrosion of a metal. The relaxation time was determined for a 0.15% solution of HCl in water, into which pieces of iron coates with poor quality acid-resistant varnish had been Card 1/2

33473 \$/170/62/005/002/005/009 B104/B138

Measurement of large ...

immersed. The relaxation time was shortened by the occurrence of iron ions in the water. The ion concentration was measured with a calibration curve plotted from the relaxation times of water with different  $FeCl_z$  concentra-

tions. There are 3 figures and 31 references: 6 Soviet and 25 non-Soviet. The four most recent references to English-language publications read as follows: Solomon I. J., Phys. Rad., 20, no. 8, 788, 1959; Das T. P., Saha A. K., Phys. Rev., 93, 749, 1954; Hahn E. L., Phys. Rev., 6, no. 11, 4, 1953; Chiarotti G., Guilotto L., Phys. Rev., 93, no. 6, 1241, 1954.

ASSOCIATION: Institut inzhenerov zheleznodorozhnogo transporta, g. Leningrad (Institute of Engineers of Railroad Transportation, Leningrad)

SUBMITTED: June 8, 1961

Card 2/2

36865 8/170/62/005/005/015/015 B104/B102

S. // AUTHOR:

Zhernovoy, A. I.

TITLE:

A new method of measuring the flow rate of liquids by using nuclear magnetic resonance

PERIODICAL: Inzhenerno-fizicheskiy zhurnal, v. 5, no. 5, 1962, 112 - 115

TEXT: By means of a solution of Bloch's equation the vector of nuclear magnetization of the liquid in the volume  $V_{\underline{A}}$  (Fig. 1) is given by

$$M = \chi_0 H_{\pi} \left[ 1 - \exp\left(-\frac{V_{\pi}}{qT_1}\right) \right] \exp\left(-\frac{V_{T1}}{qT_1}\right) \times \\ \times \exp\left[-\frac{V_{\pi}}{q}\left(\frac{1}{T_1^*} + \frac{1}{T_2^*}\right) \right] \cos \gamma H_1 \frac{V_{\pi}}{2q}.$$

$$(4)$$

With increasing magnetic field intensity, H<sub>1</sub> of coil 1 the signal intensity disappears periodically. The values of H<sub>10</sub> at which the signal

Card 1/3

#### "APPROVED FOR RELEASE: 03/15/2001

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A new method of measuring the ...

B104/B102

intensity becomes zero are connected with the flow rate of the liquid:

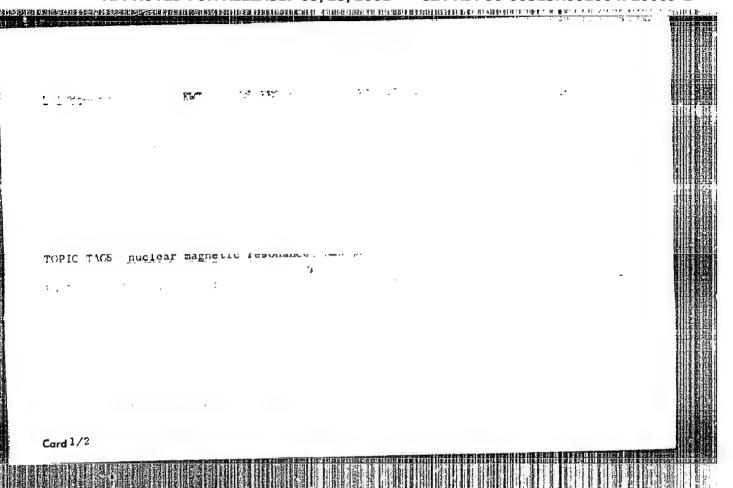
H<sub>10</sub> = q(2n-1)π/γV<sub>H</sub> (5). Knowing the a-c field intensity in the coil 1

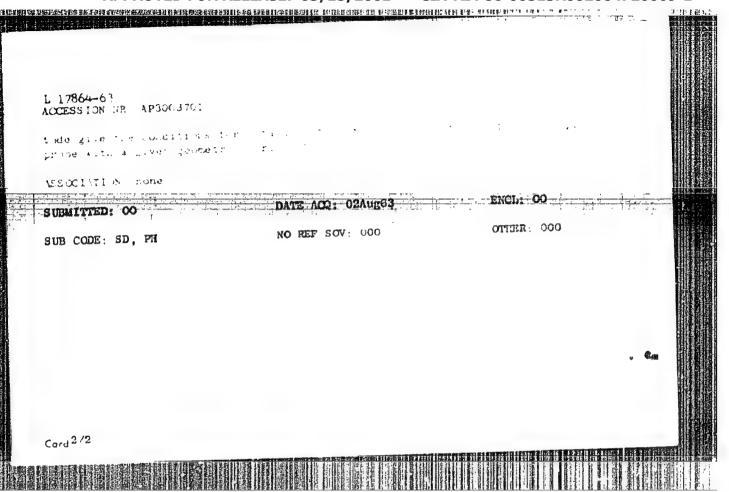
at which the nuclear resonance signal disappears one can determine the flow rate q of the liquid. The error in measuring q is:

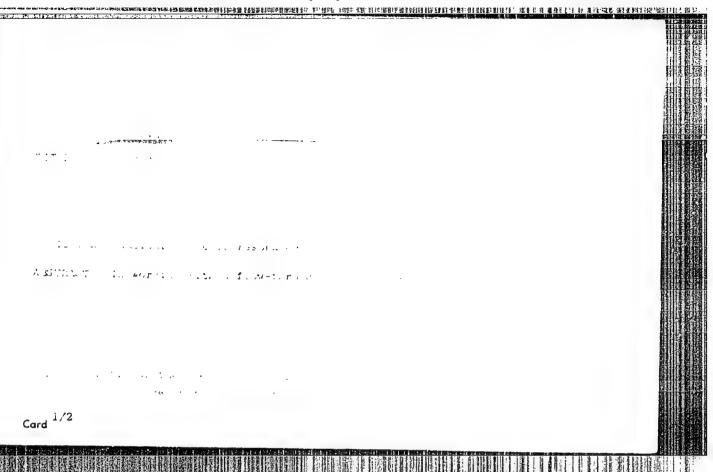
Δq/q = 2/a(2n-1)π. The method allows a continuous recording of the absolute value and has a small inertia; it needs no highly homogeneous magnetic field and no toroidal.tube. There is 1 figure.

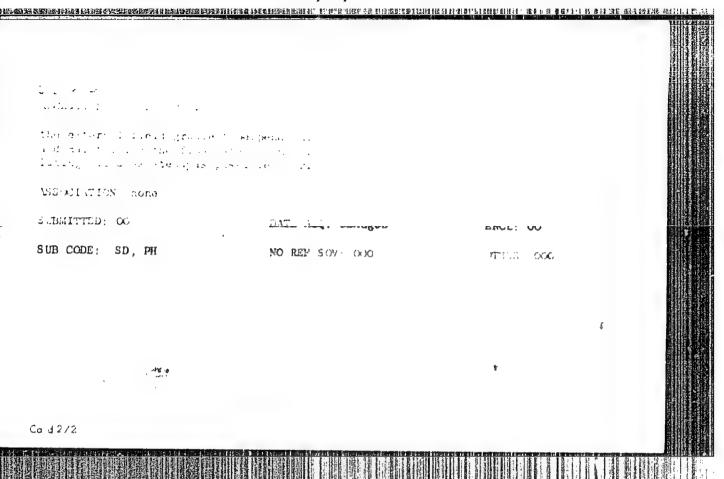
SUBMITTED: December 11, 1961

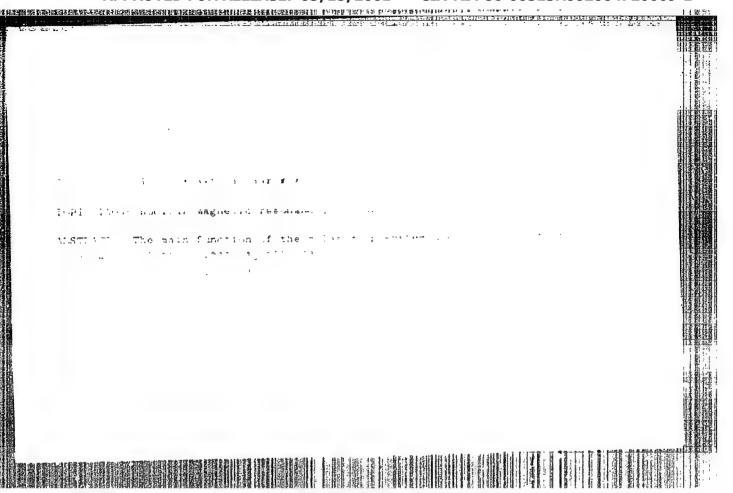
Fig. 1. Setup of a flow rate measurement. Legend: (1), (2) rf coils; (3) rf generator; (4) nuclear magnetic resonance detector; (H<sub>Π</sub>) magnetic field intensity; (V<sub>η</sub>), (V<sub>H</sub>) and (V<sub>A</sub>) tube volumes.

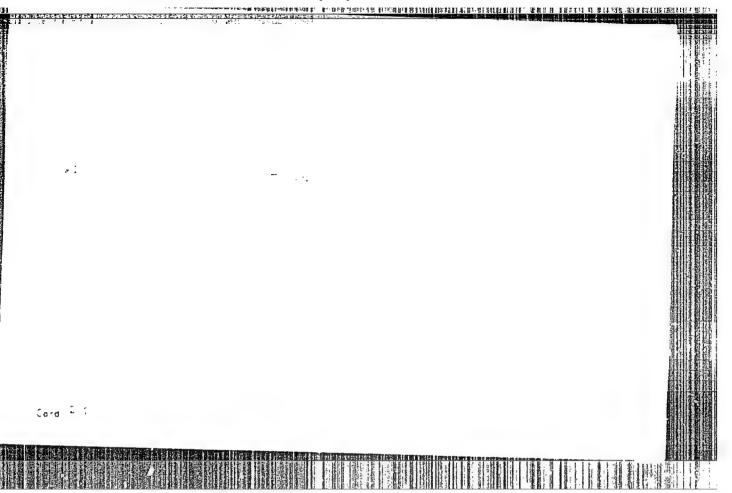






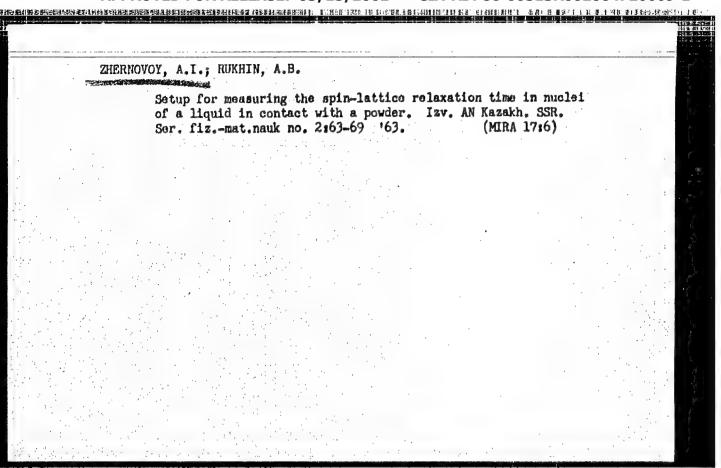


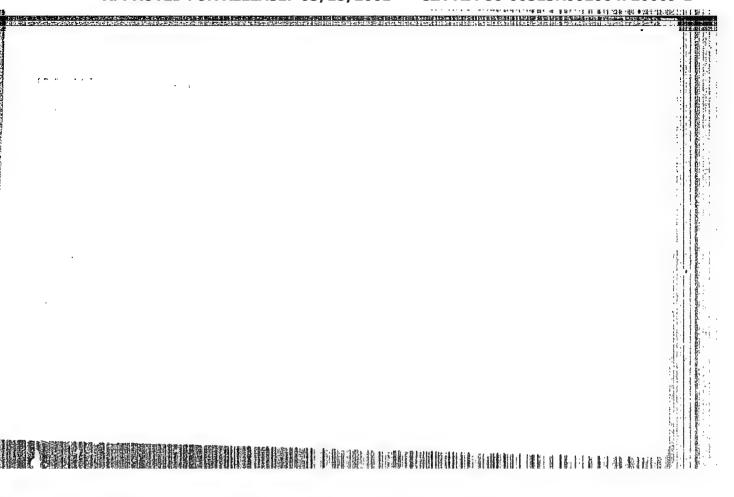


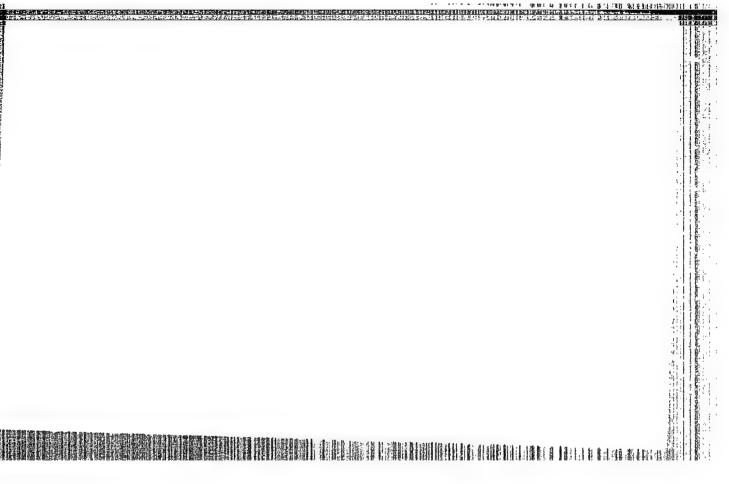


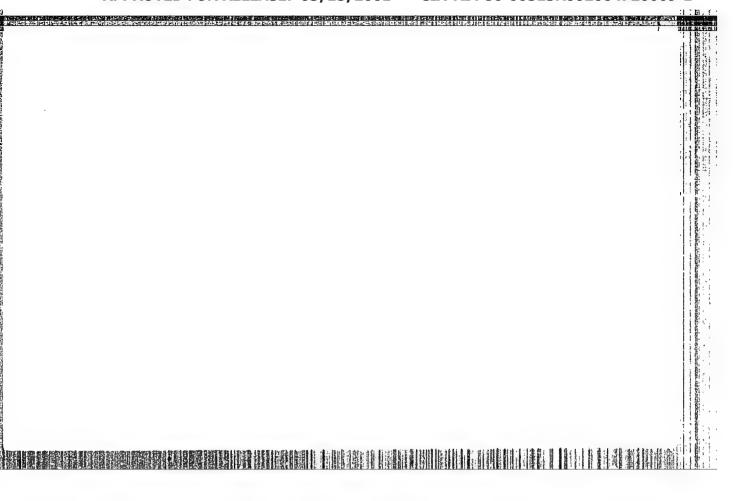
ZHERIJOVOY, Aleksandr Ivunovich; LATYSHEV, Georgiy Dmitriyevich;
MEL'HIKOVA, A.I., red.

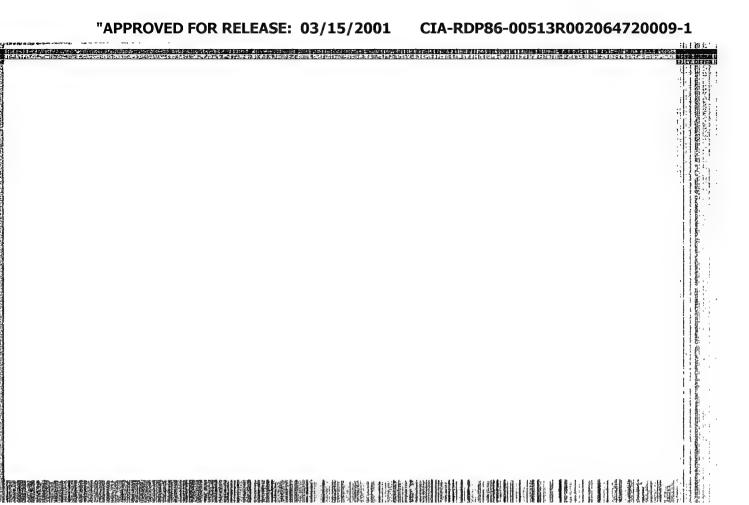
[lluclear magnetic resonance in a flowing liquid] IAdernyi
magnitnyi rezonans v protochnoi zhidkosti. Moskva, Atomizdat, 1964. 252 p. (MIRA 17:6)



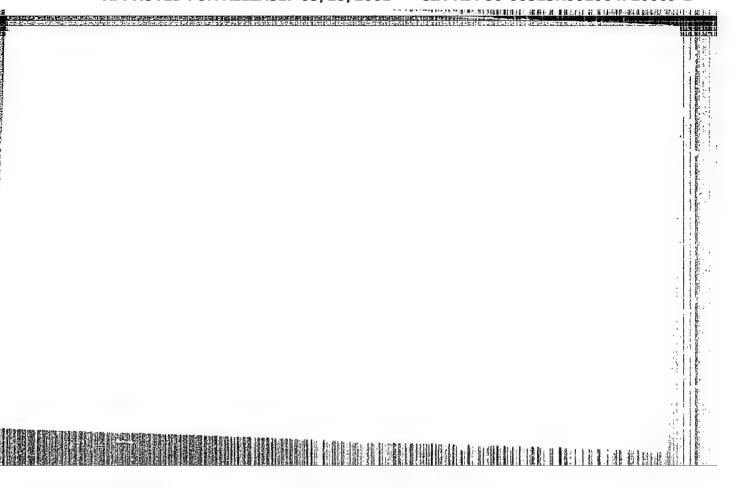




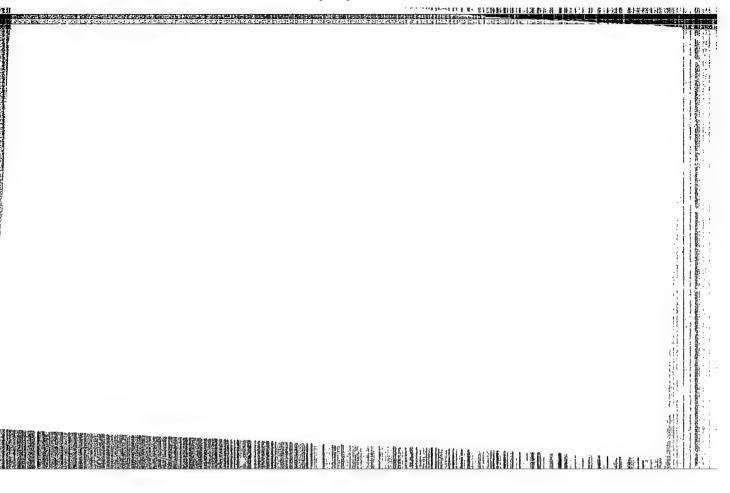












8621-66 EAT(1) IJP(a) W/00 SOURCE CODE UR/0120/65/000/005/0220/0221 AP5027039 AUTHOR: Zhernovoy, A.I.; Stakhov, O.V.; Fedorov, N.D. ORG: Institute of Nuclear Physics, AN KazSSR, Alma-Ata (Institut yadernoy fiziki AN 44,50 KazSSRI TITLE: The measurement of strong magnetic fields by means of an NMR flow sensor SOURCE: Pribory i tekhnika eksperimenta, no. 5, 1965, 220-221 TOPIC TAGS: NMR, strong magnetic field, magnetic field measurement, flow research, electromagnet 21,411,55 ABSTRACT: NMR detectors with fixed probes are often used for the recording and stabilization of strong magnetic fields. However, in addition to the need for various exchangeable sensors, it is often necessary to either place a part of the electronic circuitry into the magnetic gap or increase the length of the HF cable. Since both approaches are far from satisfactory, the authors introduce a flow of liquid which is subsequently used for the NMR measurement of the field of a \$ 1.5 m pole piece electromagnet. The measurements are based on the nutation method applied to the nuclei of the liquid; these nuclei are polarized within the magnetic field under investigation, while the recording of the resonance is carried out by the NMR sensor located outside the field under study within an auxiliary field of a permanent magnet. The article presents a description of the device and outlines the characteristics of the strong magnetic field measurements. The minimum value of the recorded field UDC: 539.283.078 Card 1/2

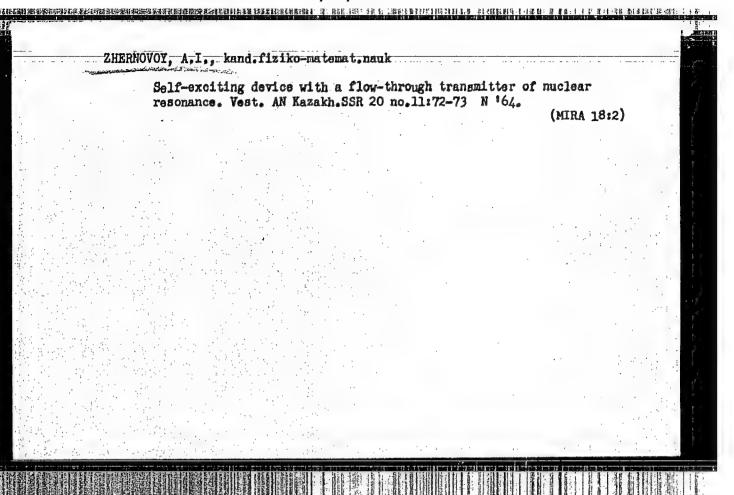
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(limited basic	ally by the signal-to-noise ratio at the exi	t of the NMR indicator) is in the 3	300 -
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25 kOe (f > 10	Mc) provided powerful generators or spe	ectally matched coll HF generato	r . u
pairs are use	<ol> <li>The theoretical recording accuracy doe than 5: 10<sup>-5</sup> since the frequency tuning of</li> </ol>	thatC4-7A menorator did not allow	
was no better	curate frequency adjustments Authors the	rank A. A. Skakoduh for his helf	
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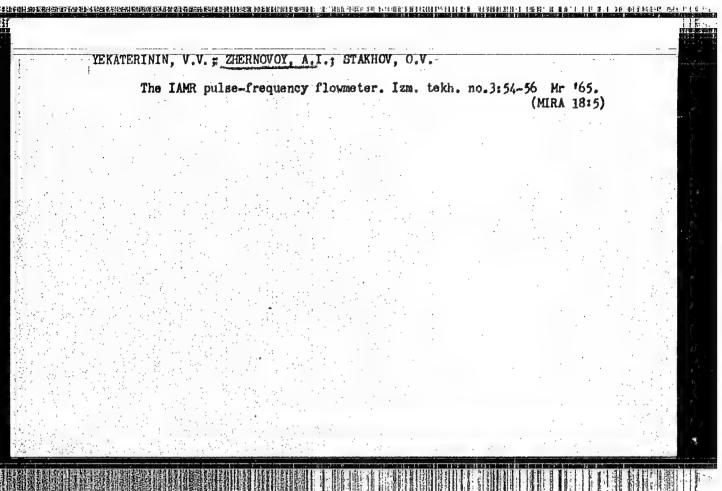
ZHERNOVOY, A.I.; STAKHOV, O.V.; FEDOROV, N.D.

Measurement of strong magnetic fields by means of a flow transducer of nuclear magnetic resonance. Prib. i tekh.eksp. 10 no.5:220-221 S-0 \*65.

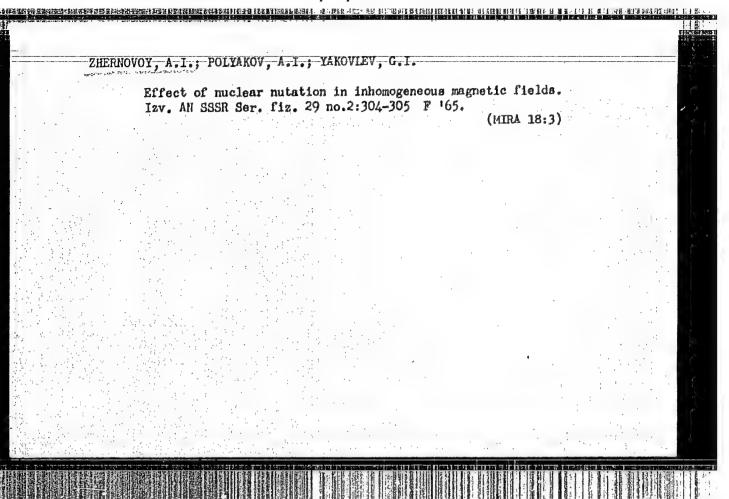
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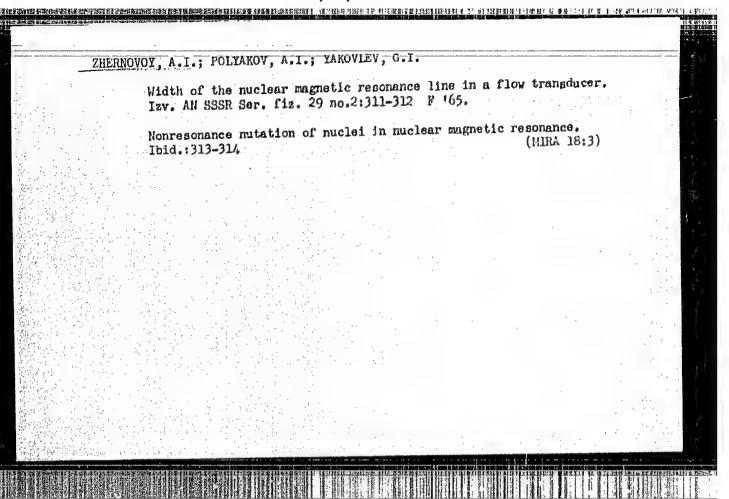
1. Institut yadernoy fiziki AN Kazakhskoy SSR, Alma-Ata. Submitted June 27, 1964.





Flowmeter based Izv. vys. ucheb	on the princip zav.; prib. 8	le of nuclear magneti no.2:45-48 165.	ic resonance. (MIRA 18:5)	
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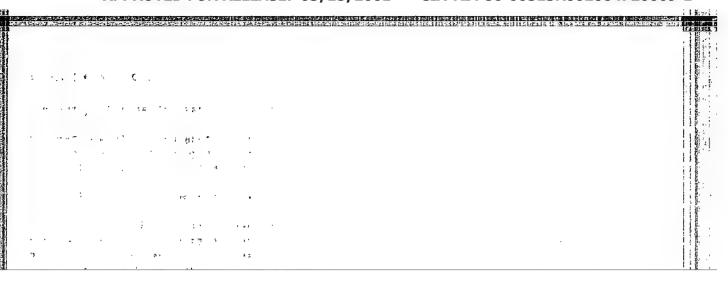


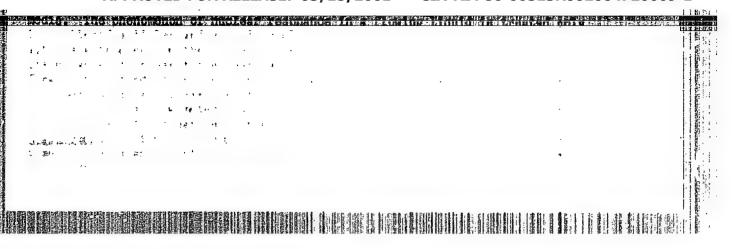
ZHERNOVUY, A.I.; PIVOVAROV, S.P.

Direct method for large T, time measurements in a moving liquid.

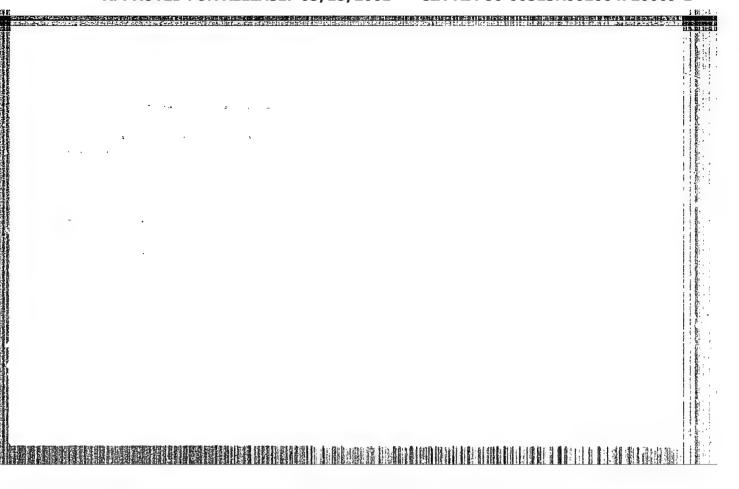
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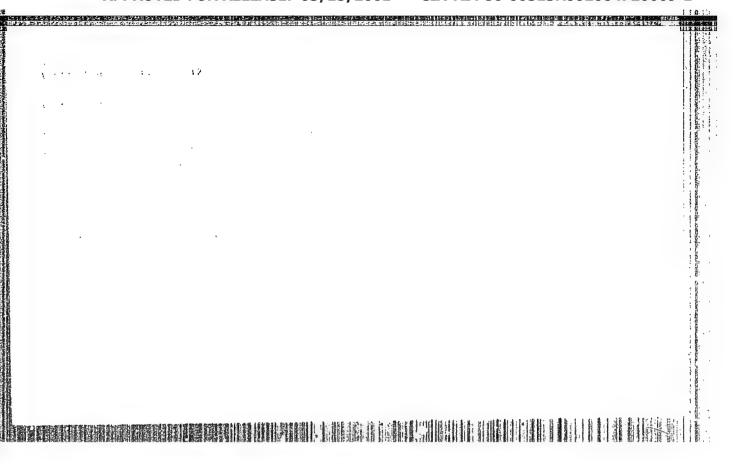
1. Institut yadernoy fisiki AN KanSSR.

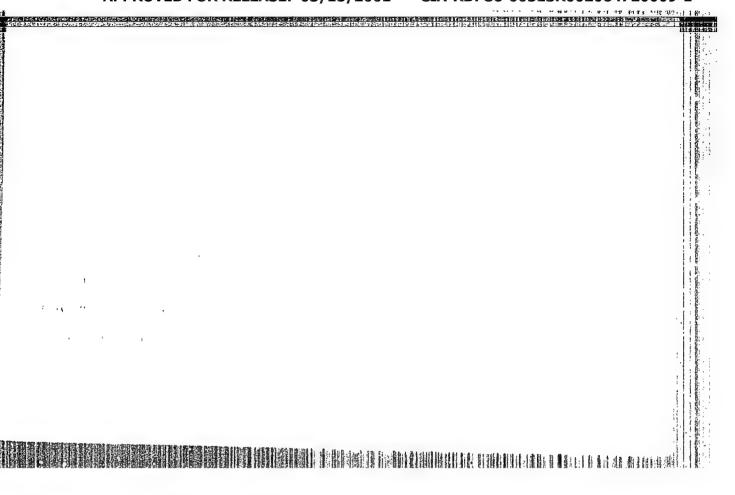


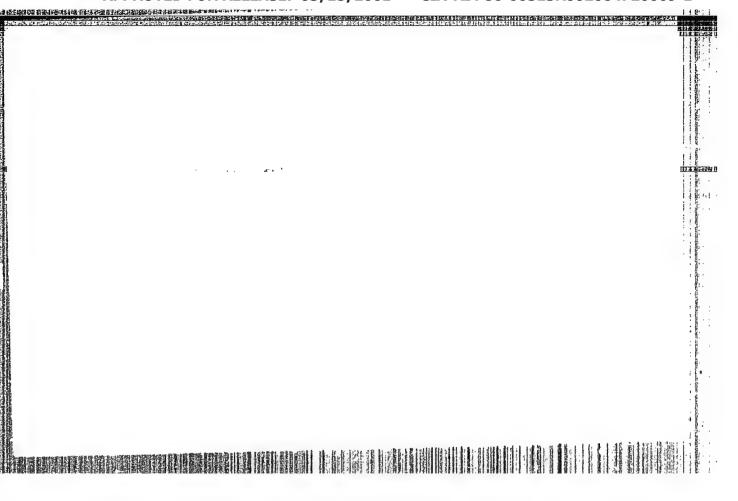


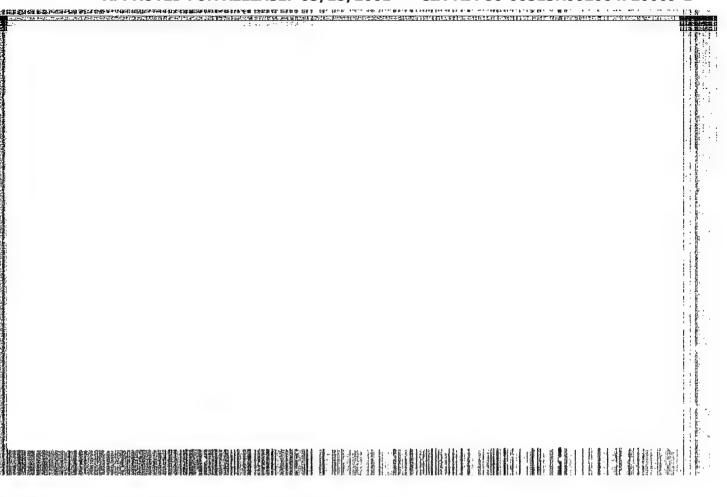


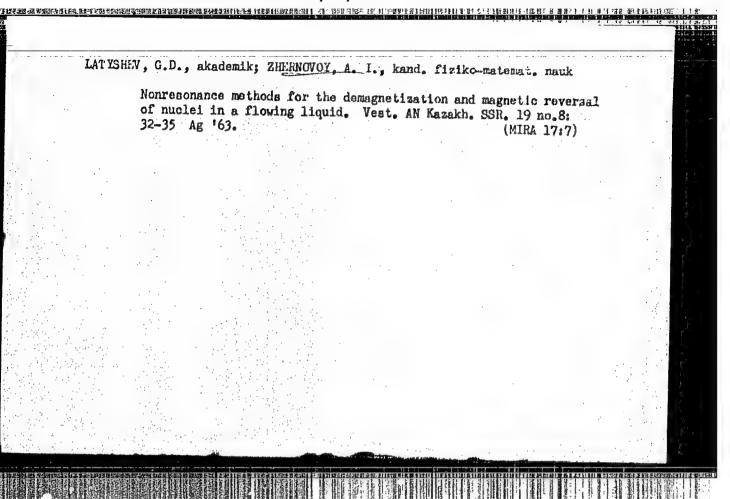


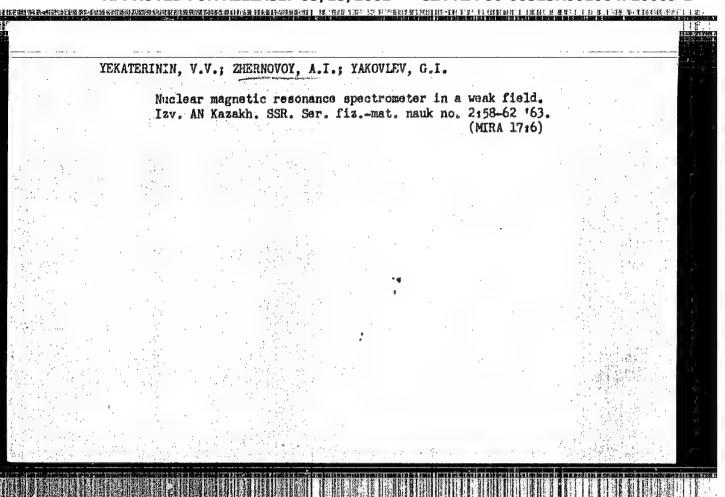


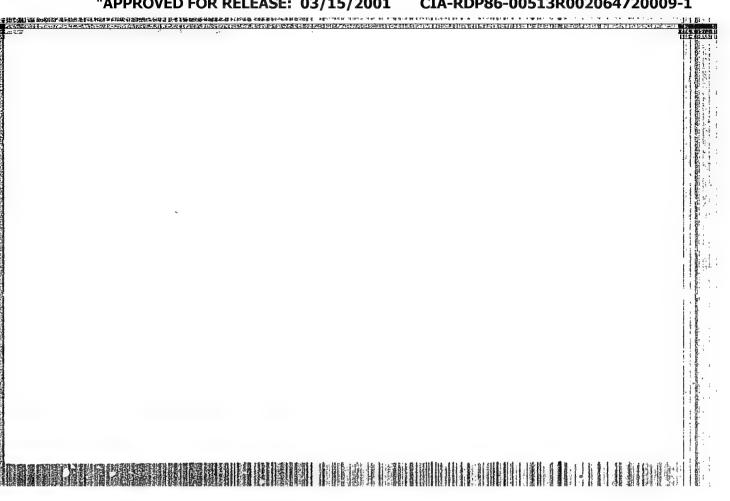


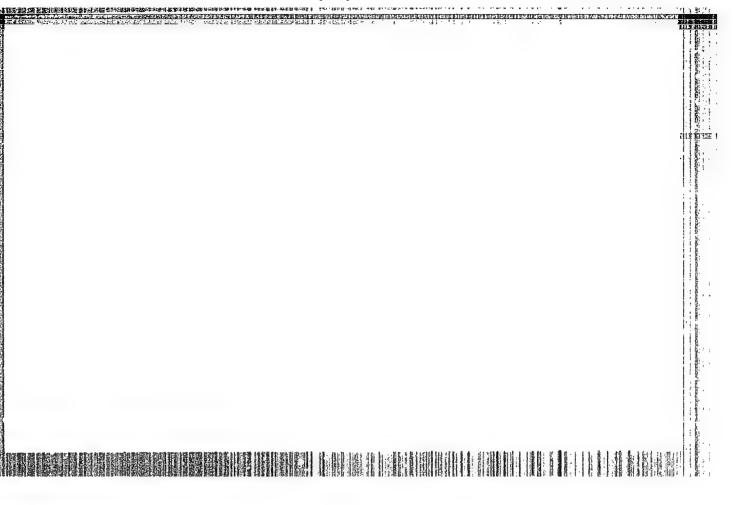


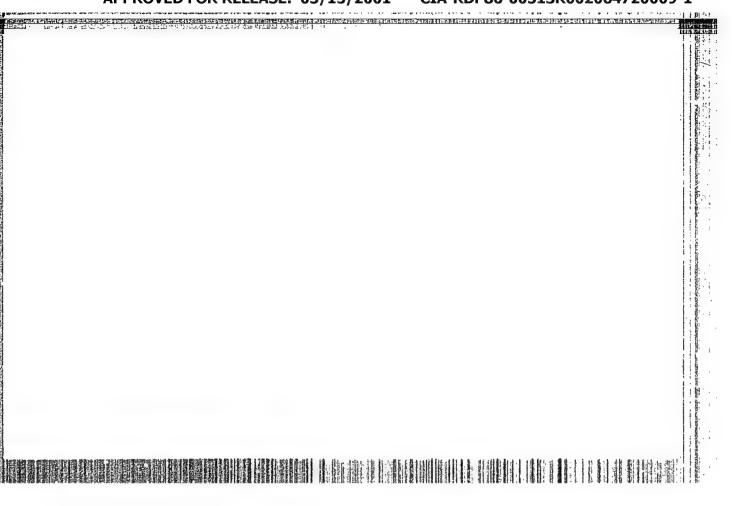


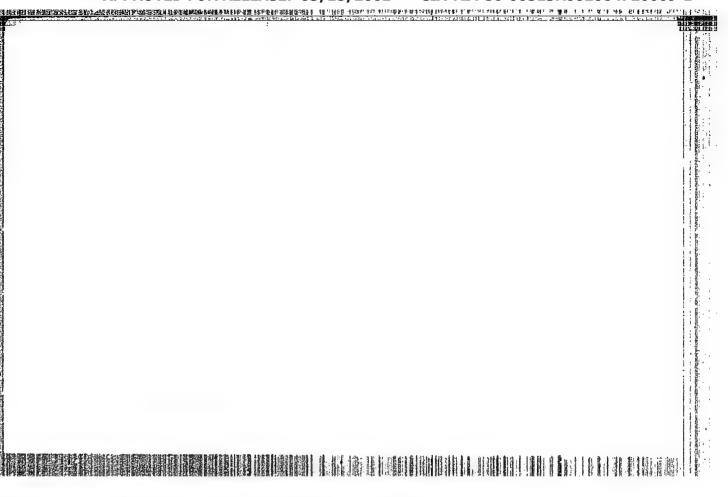


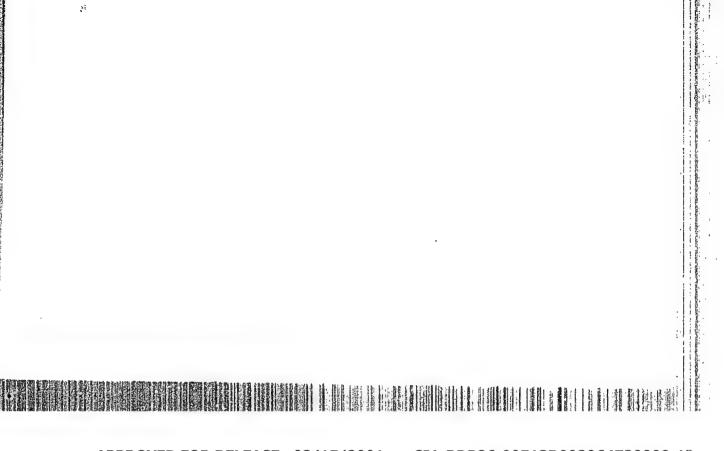


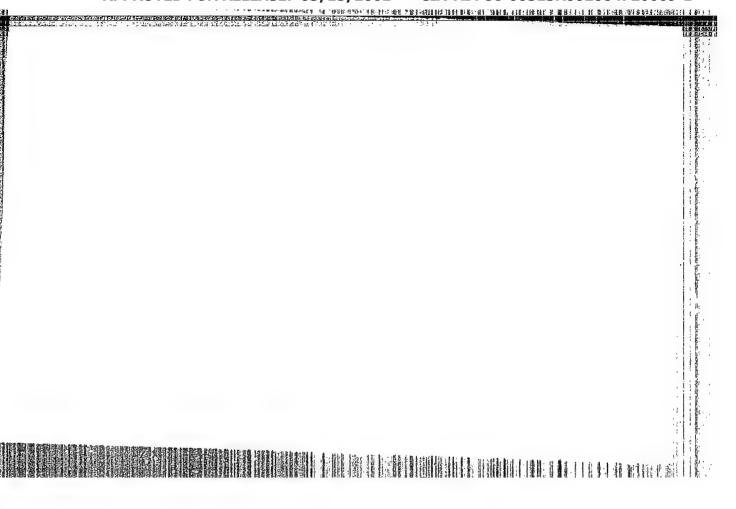


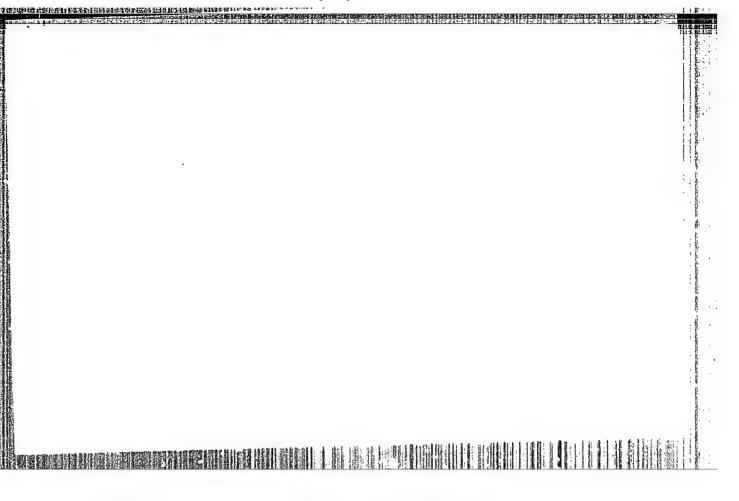








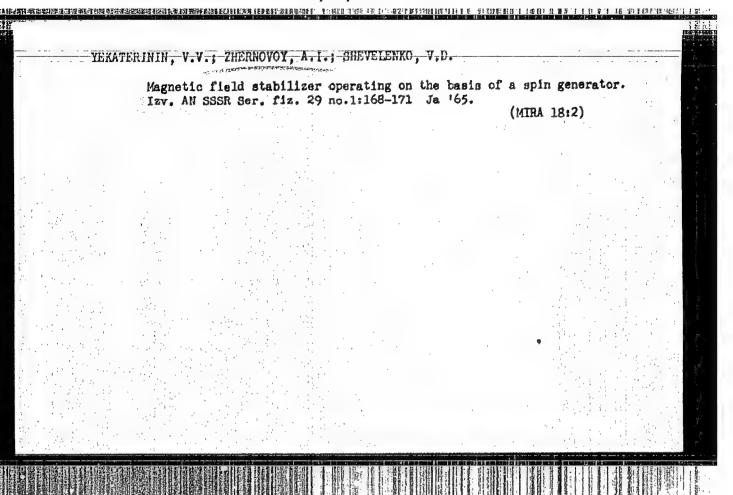


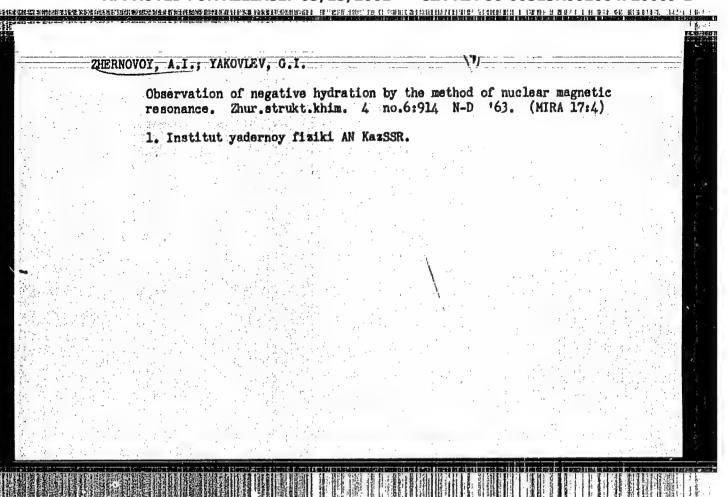


PIVOVAROV, S.P.; RYABIKIN, Yu.A.; ZHERNOVOY, A.I.; LATYSHEV, G.D.

Apparatus for the stabilization of inhomogeneous magnetic fields based on the electron paramagnetic resonance method. Izv. AN 3SSR Ser. fiz. 29 no.1:166-167 Ja 165.

(MIRA 18:2)





SAPOZHENKOV, Yu.F.; GORELOV, Yu.K.; ZHERNOVOT, I.V.; SYTATOY, V.I.

Distribution and ecology of the ratel (Mellivora capensis indica Kerr.) in Turkmenistan. Zool. zhur. 42 no.6:961-964 (163.

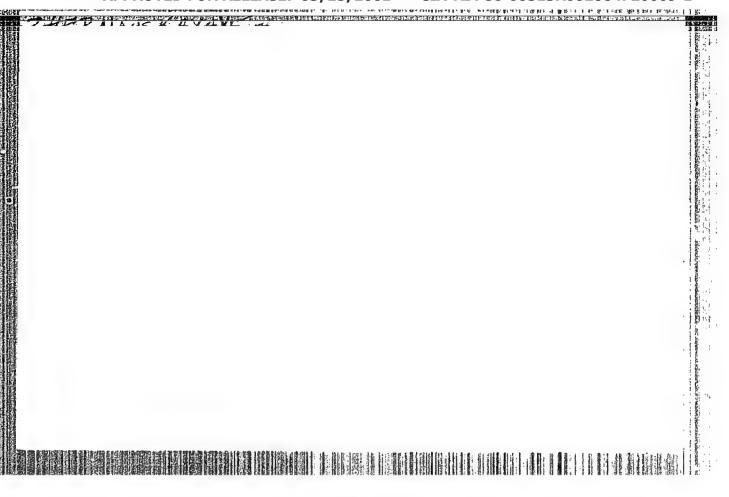
1. The State University of Moscow, Turkmenian Anti-Plague Station, Ashkhabad and Game Preserve of Badkhyz.

(Turkmenistan—Ratel)

SERGOVANTSEV, V.T.; ARTEMOV, V.A.; ZHERNOVOY, M.N.; MOROTSKIY, L.P. Using the pipes of a gas pipeline as a remote-control channel. Gaz.delo no.1:14-16 '64. (MIRA 17 (MIRA 17:4) 1. Vsesoyuznyy nauchno-issledovatel'skiy institut prirodnogo gaza i Minskoye upravleniye magistral'nykh gazoprovodov.

APPROVED FOR RELEASE: 03/15/2001

Over-all mechanization of haymaking. Nauka i pered. op v sel'khoz. 9 no.6:25 Je '59. (MIRA 12:9)		
	1. Kalininskaya gosudarstvennaya sel'skokhozynystve stantsiya.	ennaya opytnaya
	(Hay-Harvesting)	
. •		
		, ,



TERRET'YEV, A.P.; SYAVTSILIO, S.V.; SAVUSHKIMA, V.I.; ZHERNOVSKAYA, Te.M.;

Synthesis of 2-ethylanthraquinone, labelled by C<sup>1/4</sup> carbon in the nucleus. Dokl.AM SSSR 107 no.3:417-419 Mr \*156. (MIRA 9:7)

1. Chlen-korrespondent AM SSSR (fer Terent'yev).

(Anthraquinone) (Carbon--Isotopes)

KULIKOV, V.O.; BORNATSKIY, I.I.; ZARUBIN, N.G.; DOROFEYEV, G.A.;

KAMIZHSKIY, Yo.A.; KAZAKOV, A.A.; KOVAL', R.F.; KORNEVA, H.K.;

TRET'YAKOV, Ye.V.; TRUNOV, Ye.A.; Prinimali uchastiye: ANDREYEV, V.L.;

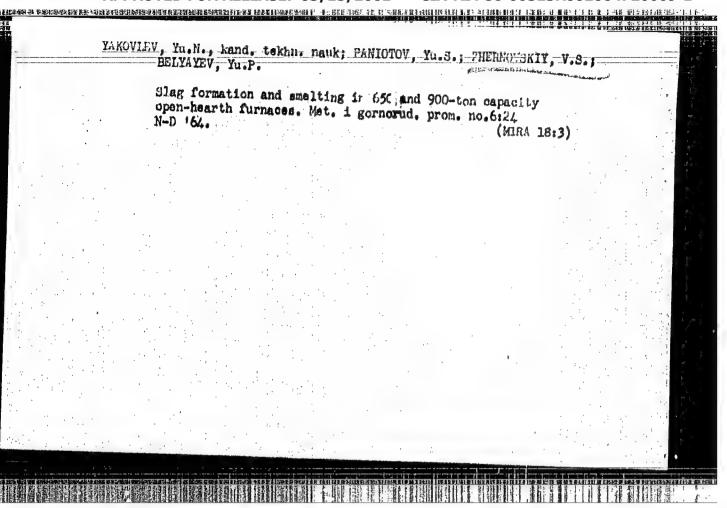
ZHERNOYSKIY, V.S.; ZHIGALOVA, Z.I.; KOMOV, N.G.; KURAPIN, B.S.;

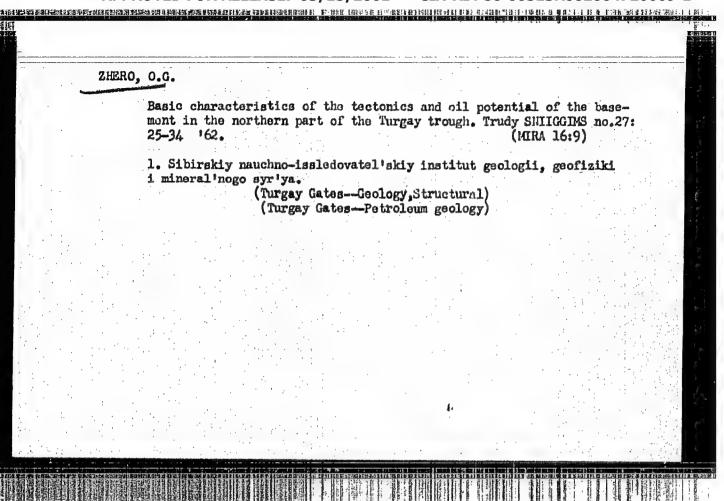
OIESHKEVICH, T.I.; PRIKHOZHENKO, Ye.

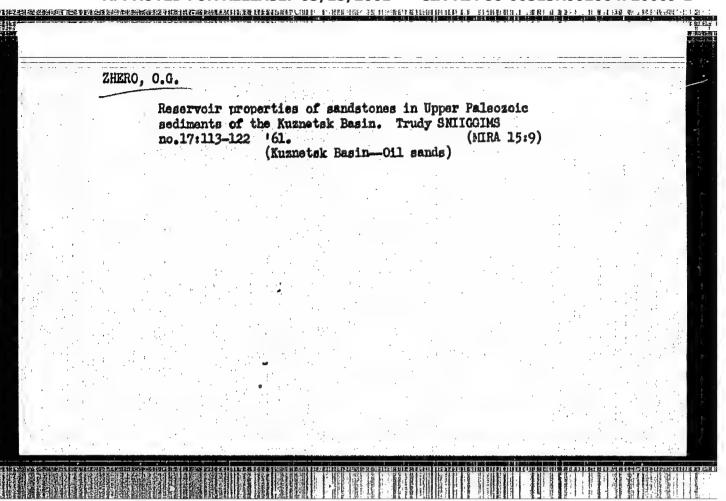
Mastering the operations of 650- and 900-ton (mega - gram) capacity open-hearth furnaces at the Il'ich metallurgical plant. Stal' 25 no.8:805-807 S '65.

(MIRA 18:9)

1. DONNIICHERMET 1 Zhdanovskiy metallurgicheskiy zavod imeni Il'icha.





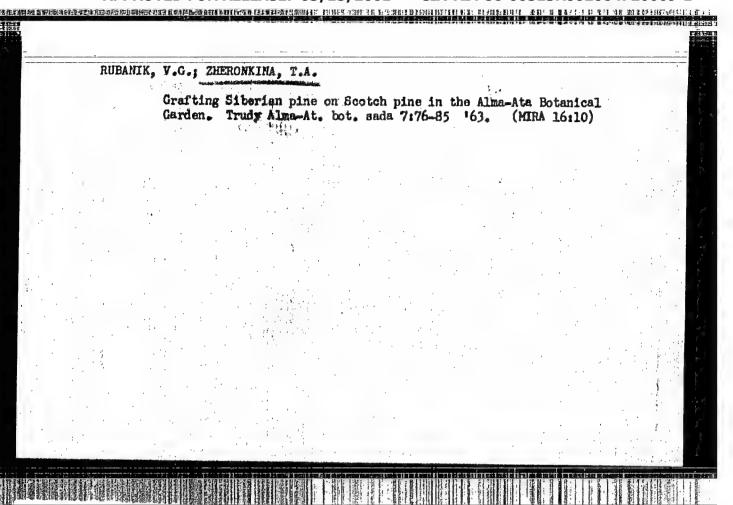


RUBANIK, V.Q., KORNEYCHIK, Zh.N., MEL'NIK, A.F.; SCLONINOVA, I.N.; ZHERONKINA, T.A.; KALUGIN, E.S.; TKACHENKO, V.S.; BESSCHETNOV, P.P.; PROTASOV, A.N.; PARAVYAN, A.V., doktor biol. bauk, otv. red.

[List of trees and shrubs recommended for landscaping in populated places of Kazakhstan] Spisok dereviev i kustarni-kov, rekomenduemykh dlia ozeleneniia naselennykh punktov Kazakhstana. Alma-Ata, Izd-vo AN KazSSR, 1963. 85 p.

(MIRA 17:3)

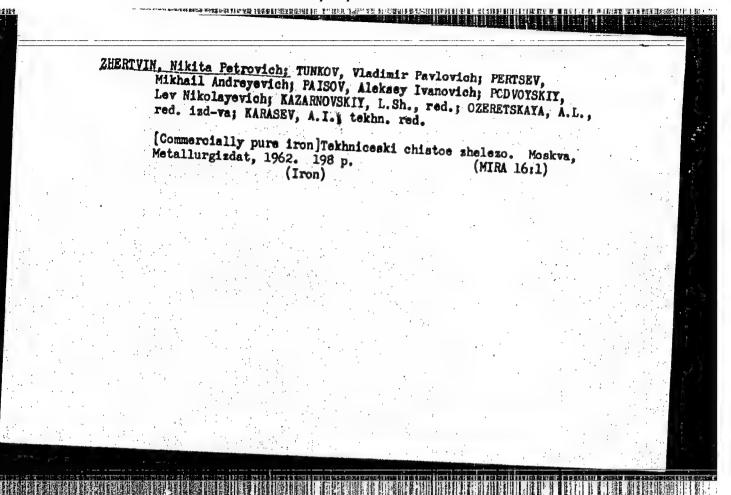
1. Akademiya nauk Kazakhskoy SSR. Institut botaniki. 2. Glavnoye upravleniya lesnogo khozyaystva i okhrany lesa Soveta Ministrov Kazakhskoy SSR (for Tkachenko). 3. Kazakhskiy sel'skokhozyaystvemnyy institut (for Besschetnov, Protasov).



RUBANIK, V.G., kand. biolog. nauk; ZHERONKINA, T.A.

Some data on the grafting of conifers. Vest. AN Kazakh.

SSR 18 no.10:90-93 0 '62. (MIRA 17:9)



ABLOV, A.V.; YABLOKOV, Yu.V.; ZHERU, I.I.

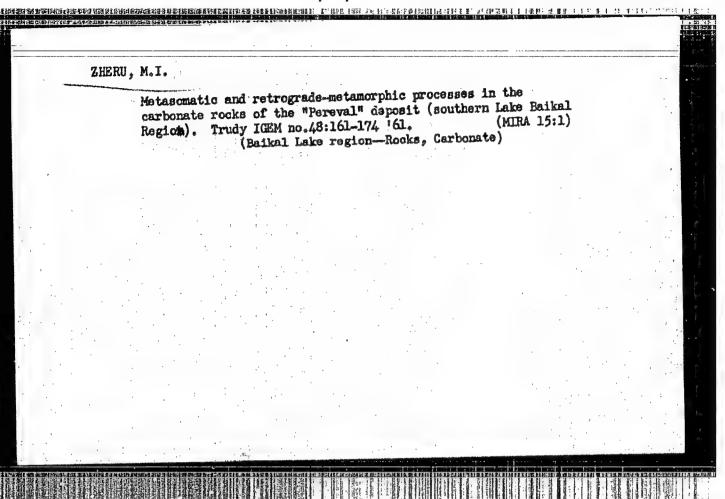
Electron paramagnetic resonance studies of the structure of certain no.2;343-345 N '61.

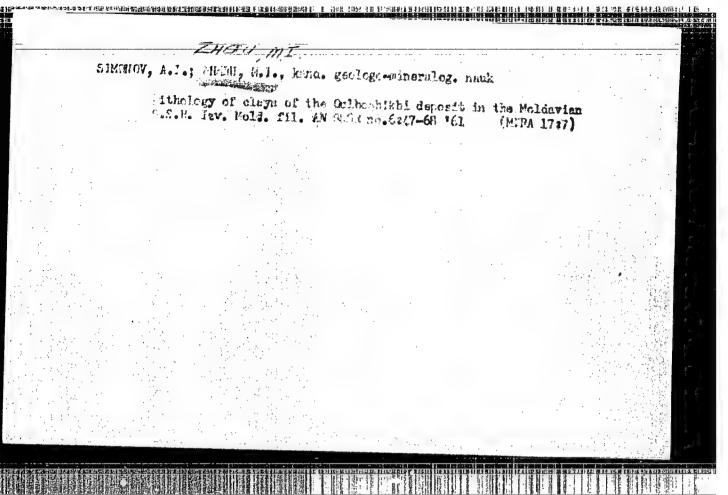
1. Institut khimii Moldavskogo filiala AN SSSR i Fiziko-tekhni-ikom A.Ye. Arbuzovym.

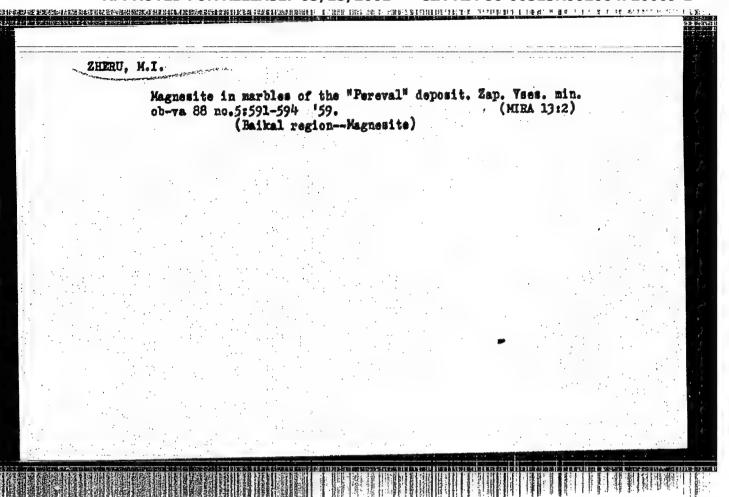
(Copper acetate--Spectra)

# Use of the method of invariants in the theory of hyperfine interaction, Ukr. fiz. zhur. 10 no.7:726-733 Jl '65. (MIRA 18:8)

1. Institut poluprovodnikov AN UkrSSR, Kiyev.







Syavtsillo, S. V., Savushkina, V. I.,

SOV/79-20-7-8/64

AUTHORS:

Zhernovskaya, Ye.

TITLE:

The Synthesis of 2-Ethylanthrone and 2-Ethyl-10-Oxanthrone Radioactivated by C14 in the Ring, and the Investigation of Some of Its Properties(Sintez 2-etilantrona i 2-etil-10-oksan-trona, mechennykh uglerodom C14 v yadre, i issledovaniye neko-

torykh ikh avoystv)

PERIODICAL:

Zhurnal obshchey khimii, 1958, Vol 28, Nr 7,

pp. 1752 - 1755 (USSR)

ABSTRACT:

The authors synthetized the 2-ethylanthrone radioactivated by C14 in the ring by means of the reduction of the 2-ethylan-thraquinone also radioactivated by C14 (Ref 1). The reduction was carried out analogous to that of anthrone (Ref 2). 2-ethylanthrone was obtained in pure state (melting point 62°); it did not contain an enol form and it did not tautomerize on long storing in solid form and in benzene solutions. Earlier (Ref. 3) the 2-ethylanthrone was obtained only in the mixture with 2-ethylanthranol in the solution of 4-ethyl-diphenyl methane carboxylic acid in concentrated sulfuric acid. The

Card 1/3

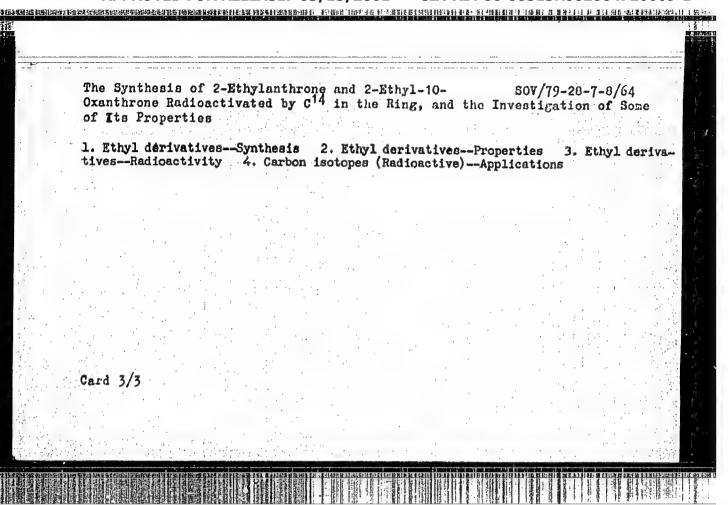
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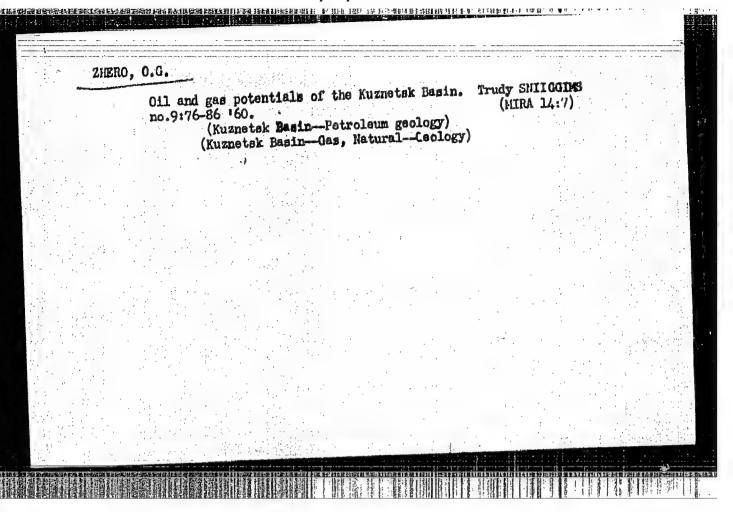
The Synthesis of 2-Ethylanthrone and 2-Ethyl-10- SOY/79-28-7-8/64 Oxanthrone Radioactivated by C<sup>14</sup> in the Ring, and the Investigation of Some of Its Properties

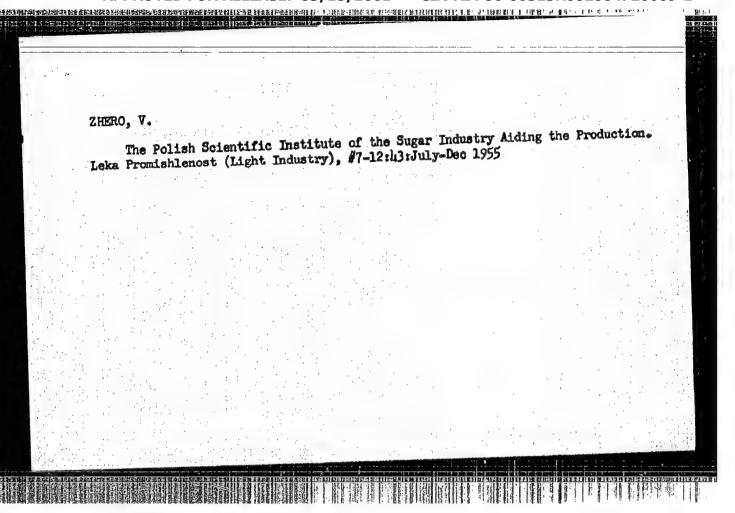
final product melted at 67-75°. The hitherto not described 2-ethyl-10-oxan throne (92-93°) was obtained from the 2-ethylanthrone radioactivated by C<sup>14</sup> according to the synthesis method by Meyer (Ref 4) (Mayyer), i.e. by bromination of the 2-ethylanthrone with subsequent saponification of the obtained product with 2-ethyl-10-bromanthrone radioactivated by C<sup>14</sup>. In order with 2-ethyl-10-bromanthrone radioactivated by C<sup>14</sup>. In order to avoid the formation of oxidation products this bromination and the separation of the latter were carried out at low temperatures (-8 to -20°). Thus the radioactive 2-ethylanthrone (in a yield of 51%) radioactivated by C<sup>14</sup> was firthe first time synthetized, as well as the acctate of the ethyl anthranol and the 2-ethyl-10-oxanthrone (59%) radioactivated the same way in the ring. The hydration and oxidation of the mentioned compounds were carried out. There are 6 references, 3 of which are Soviet.

SUBMITTED: Card 2/3

Мау 18, 1957



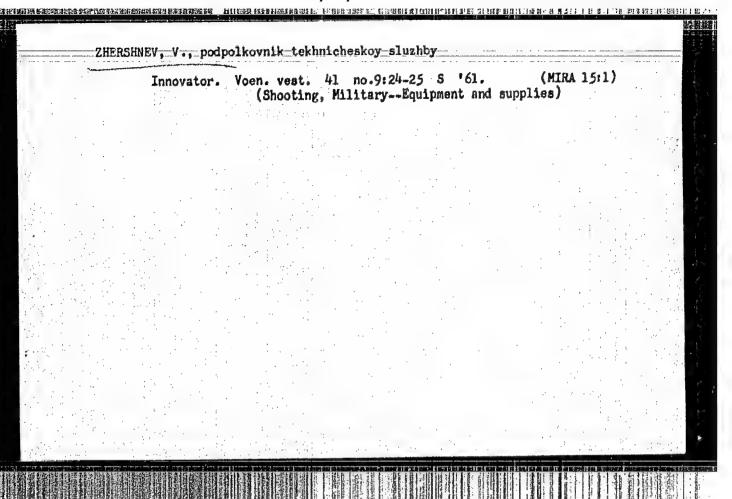




KRUTIKOV, A.; SELISHCHEV, G.; GABIS, V.; LIBERMAN, A.; KOMNOVA, Lo.; BUT, A.; SUTAHKIH, A.; ZHEROMSKAYA

Unremitting attention to self-service stores! Sov.torg. 33 no.7:12-13 J1 160. (MIRA 13:7)

1. Direktor moskovskogo magazina samoobsluzhivaniya "Gastronon"
No.65 (for Krutikov). 2. Direktor moskovskogo magazina samoobsluzhivaniya "Gastronom" No.64 (for Selishchev). 3. Direktor
magazina No.65 Moskvoretskogo RPT (for Gabis). 4. Direktor
moskovskoy bulochnoy No.44 (for Liberman). 5. Direktor moskovskoy
bulochnoy No.367 (for Komnova). 6. Direktor moskovskogo
bulochnoy No.367 (for Komnova). 6. Direktor moskovskogo
magazina samoobsluzhivaniya "Mosovoshch" (for But).
7. Direktor moskovskogo magazina samoobsluzhivaniya No.78
"Mosmoloko" (for Sutankin). 8. Zamestitel direktora magazina
No.22 "Ogonek" Sverdlovskogo RPT (for Zheromskaya).
(Self-service stores)



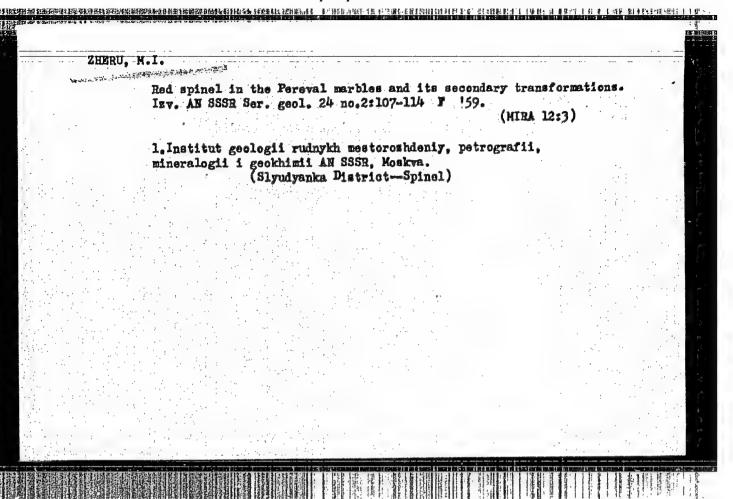
ZHERTOVSKIY, A.M., elektromekhanik; KONURIN, I.M., starshiy elektromekhanik; VOROB'THY, A.M.; GORODETSKIY, M.P., elektromekhanik

Efficiency experts suggest. Avtom., telem. i sviaz' 4 no.1:32-33 Ja '60. (NIRA 13:4)

医性动物 医乳腺性性结膜 医环状腺 医皮肤性 医甲基氏性 医甲基氏性 医甲基氏性 医甲基氏性 医甲基氏性 医甲基氏性 医甲基氏性 医甲基氏性 医甲基氏性 医甲基氏征 医二甲基二甲基 化二甲基二甲基 化二甲基二甲基

1. Kremenchugskaya distantsiya signalizatsii i svyasi Yushnoy dorogi (for Zhertovskiy). 2. Yaroslavskaya distantsiya signalizatsii i svyazi Severnoy dorogi (for Konurin). 3. Starshiy inshener Moskovsko-Okrushnoy distantsii signalizatsii i svyazi Moskovskoy dorogi (for Yorob'ysv). 4. Krasnoarmeyskaya distantsiya signalizatsii i svyazi Donetskoy dorogi (for Gorodetskiy). (Railroads-Electronic equipment) (Radio-Repair)

ZHERU, M. I., Candidate Geolog-Mineralog Sci (diss) -- "Mineralogical-petrographic characteristics and genesis of the rock of the 'Pereval' deposit (southern Baykalia)". Moscow, 1959, published by the Acad Sci USSR. 21 pp (Acad Sci USSR, Inst of Geology of Ore Depositis, Petrography, Mineralogy, and Geochem of the Acad Sci USSR), 175 copies (KL, No 25, 1959, 129)



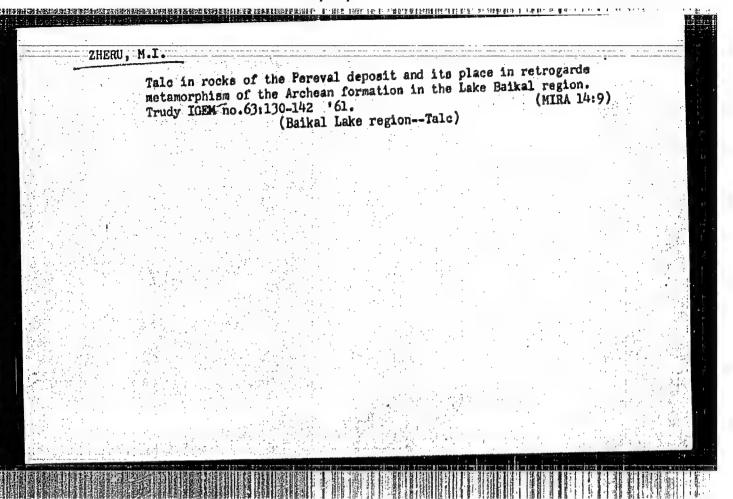
507/11-59-2-8/14 Zheru. M.I AUTHOR: The Ruby Spinel in the Marbles of the Pereval Deposit and its Secondary Transformations (Krasnaya shpinel' v TITLE: mramorakh mestorozhdeniya Pereval i yeya vtorichnyye izmeneniya) Izvestiya Akademii nauk SSSR, Seriya geologicheskaya, 1959, PERIODICAL: Nr 2, pp 107-114 (USSR) The ruby spinel was found in the forsterite and dolomitecalcite marbles of the Pereval deposit near the town of ABSTRACT: Slyudyanka (Irkutsk Oblast'). Almost all the marbles of the deposit underwent a series of postmagmatic transforma-The author describes in detail four types of such retrograde metamorphosis of the ruby spinel: the diopsidization, the phlogopitization, the carbonatization and the chloritization. He mentions the following geologists who worked in the region: B.Z. Kolenko, N. Voskoboynikova, D.S. Korzhinskiy, L.M. Lebedev, N.G. Sumin, P.V. Kannin and M.G. Zamuruyeva. There are 6 photos, 1 table, and 10 references, 9 of which are Soviet and 1 German. Card 1/2

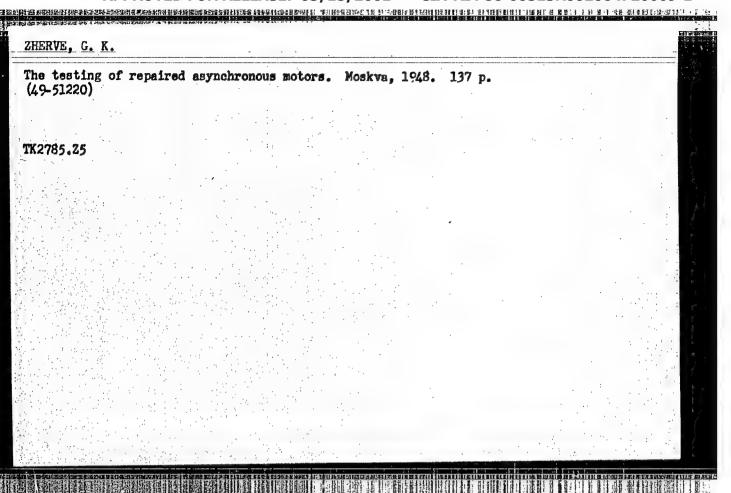
The Ruby Spinel in the Marbles of the Pereval Deposit and its Secondary

ASSOCIATION: Institut geologii rudnykh mestorozhdeniy, petrografii,
Geology of Mineral Deposit, Petrography, Mineralogy and

SUBMITTED: May 27, 1958

Card 2/2

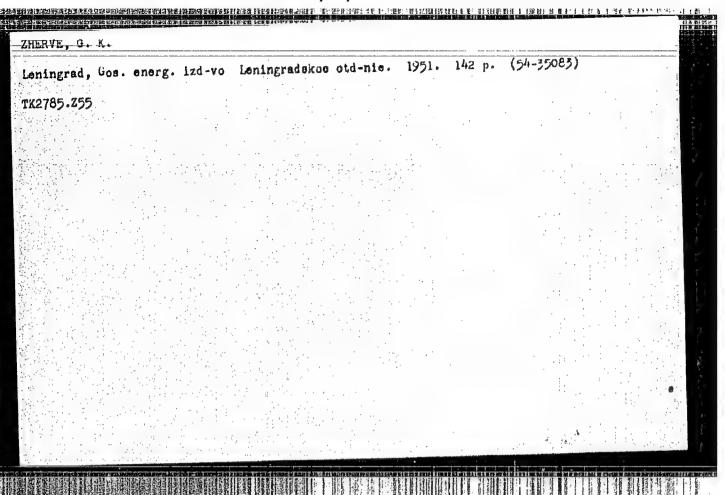


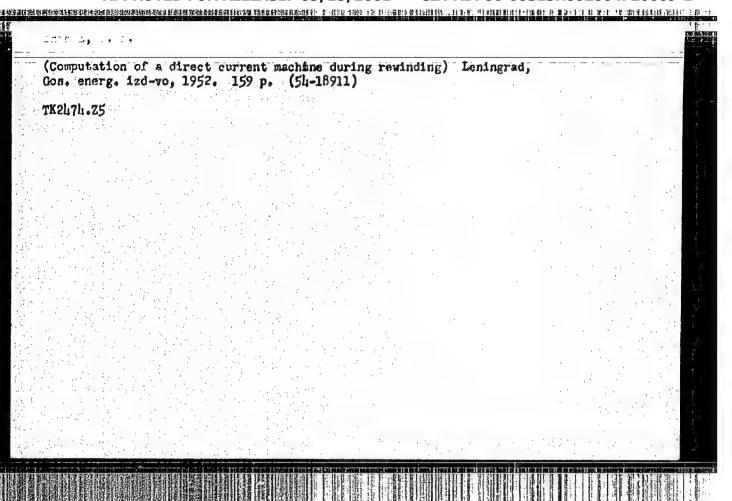


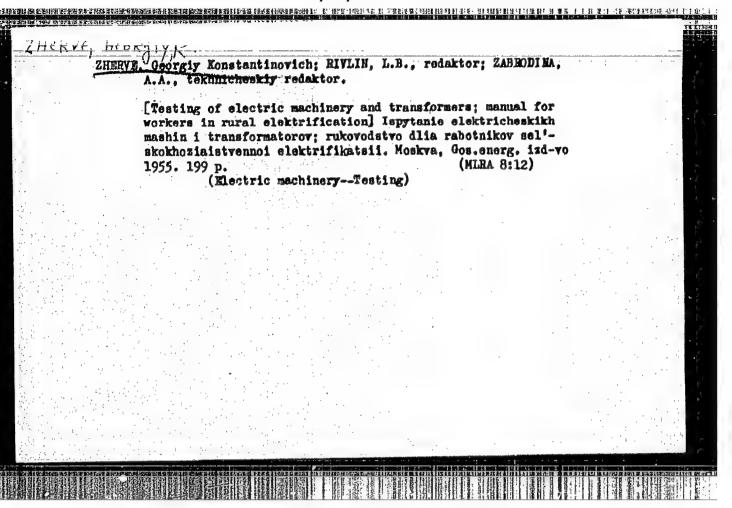
HERVE, G. K.							
ndustrial testing 52 p. (51-34500)	of electric	machinery.	Leningrad,	Gos. energ	. izd-vo,	1950.	
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Technology
Calculation for rewinding the asynchronous motor. Leningrad, Gos. energ. izd-vo. 1951.

Monthly List of Russian Accessions, Library of Congress, April 1952. UNCLASSIFIED.







ZHENVE Georgiz Konstantinovich; HIVLIN, L.B., mdaktor; ZABROM MA, A.A., teknnicheskiy redaktor.

[Electrician's manual for testing electric machines] Bukovodstvo dlia elektromonterov po ispytaniu elektricheskikh mashin, Moskva, Gos.energ.isd-vo. 1955. 283 p. (MLRA 8:12)

(Electric machinery—Testing)

ZHERVE, Georgiy Konstantinewich; BIVLIN, L.B., redaktor; ZABRODINA, A.A., tekhnicheskiy redaktor

[Galculating the rewinding of asynchronous motors] Rasohet asin-khronogo dvigatelia pri peremetke. Isd. 2-oe. Moskva, Gos. energ. isd-vo 1956. 151 p. (MIRA 9:9)

(Blectric motors, Induction)

New standard: Electric machines; general technical: Vest. elektroprom. 27 no.8:67-71 Ag 156.	requirements. (MLRA 10:9)
1. Nauchno-issledovatel skiy institut Ministerstva cheskoy promyshlennosti (Voronetskiy). 2. Zaved S.M. Kirova (for Zherve). (Electric machinery)	e lektrotekhni- ektrocile ineni

### PHASE I BOOK EXPLOITATION

SOV/3637

# Zherve, Georgiy Konstantinovich

Promyshlennyye ispytaniya elektricheskikh mashin (Industrial Testing of Electrical Machines) 2d ed., rev. Moscow, Gosenergoizdat, 1959. 504 p. 22.000 copies printed.

Ed.: L.B. Rivlin; Tech. Ed.: Ye.M. Soboleva.

PURPOSE: This book is intended for the technical personnel of electric machine-building plants, electric power stations, and other electric enterprises using electrical machines.

COVERAGE: The book deals with problems of industrial testing of electrical machines in conformance with operative standards. Tests common for machines of all types, as well as tests applied to each particular type of machine, are described. Since testing conditions may vary in different plants, the author submits two or more methods for each test, leaving the selection of the most suitable method to the personnel concerned. The author thanks Doctor of Technical Sciences R.A. Lyuter and Engineer L.B. Rivlin. There are no references.

Card-1/145

ZHERVE, Georgiy Konstantinovich; RERGMAN, P.Ts., red.; ZHIRNKOVA, O.S., tekhn.red.

[Calculation of the stator winding of an asynchronous motor]
Kak rasschitat' obmotkm statora asinkhronnogo dvigatelia,
Moskva, Gos.energ.isd-vo, 1960. 61 p. (Bibliotekm elektromonteru, no.26).

(Blectric motors, Induction--Windings)

(Blectric motors, Induction--Windings)

DOMBROVSKIY, Vyacheslav Vyacheslavovich; YEREMEYEV, Aleksandr Sergeyevich; IVANOV, Nikolay Pavlovich; IPATOV, Pavel Mikhaylovich; KAPLAN, Moiseye Yakovlevich; PINSKIY, Grigoriy Borisovich; ZHERVE, G.K., nauchn. red.; ZARITSKIY, Ya.V., red.

> [Design of hydrogenerators] Proektirovanie gidrogeneratorov. [By] V.V.Dombrovskii i dr. Moskva, Energiia. Pt.1. 1965. 257 p. (MIRA 18:3)